

-1- (JAPIO)

ACCESSION NUMBER

TITLE

PATENT APPLICANT

INVENTORS

PATENT NUMBER

APPLICATION DETAILS

SOURCE

INT'L PATENT CLASS

JAPIO CLASS

ABSTRACT

86-019066

MANUFACTURE OF BATTERY

(2000582) MATSUSHITA ELECTRIC IND CO LTD

OKAZAKI, RYOJI; YANAGIHARA, NOBUYUKI; GAMO, KOJI;

TAKADA, KANJI; MIURA, AKIRA

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H01M-006/06; H01M-004/38; H01M-006/50

42.9 (ELECTRONICS--Other); 12.3 (METALS--Alloys)

PURPOSE: To obtain a primary battery having high reliability, good performance, and low environmental problem by assembling a hydrogen absorption alloy which absorption and desorption of hydrogen were performed at least once before assembling in a battery.

CONSTITUTION: A hydrogen absorption alloy is crushed in an atmosphere of argon in powder having a particle size of 10-100.mu.m. About 1wt% fluorine resin having a particle size of 1.mu.m or less is added to the hydrogen absorption alloy and stirred to give water repellent property to the alloy. The alloy powder is degassed under vacuum at about 200 Deg. C, and hydrogen is absorbed into the alloy to nearly saturation at a pressure of 30atm. at room temperature, then hydrogen is completely removed by vacuum. The alloy which absorption and desorption of hydrogen were performed at least once is assembled in a battery. Thereby, a primary battery having high reliability, good performance, and low environmental problem is obtained.